

BACTERIAL HYDROXYLATION OF CODEINE; STREPTOMYCES

Document Type: UTILITY

Inventors: HARDER PATRICIA A (US); KUNZ DANIEL A (US)

Assignee: DU PONT DE NEMOURS, E I & CO Assignee Code: 25

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Abstract:

A microbial process for converting codeine to 14-hydroxycodine is provided. This process comprises aerobically culturing codeine with bacteria of the genus Streptomyces for at least about 3 days in a rich medium such as soybean flour medium.

Exemplary Claim:

D R A W I N G

1. A PROCESS FOR PREPARING 14-HYDROXYCODEINE WHICH COMPRISES: CONTACTING CODEINE OR A WATER-SOLUBLE SALT THEREOF WITH BACTERIA OF THE GENUS STREPTOMYCES FOR A PERIOD OF AT LEAST ABOUT THREE DAYS WHILE SAID BACTERIA ARE BEING AEROBICALLY CULTURED IN A RICH MEDIUM IN WHICH THE GROWTH NUTRIENTS ARE SUPPLIED IN EXCESS; AND RECOVERING 14-HYDROXYCODEINE FROM THE MEDIUM.

PRODUCTION OF PURITY BENZO-C-PHENANTHRIDINE ALKALOID SALTS

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